

Health Science: Emergency Medical Technician (EMT)

Public Service
Endorsement

Career Pathways

- Paramedic
- Firefighter
- Emergency Management Director
- Physician Assistant
- Registered Nurse

Certification / Certificate Options

- Emergency Medical Technician



Program of Study Course Sequence	9th. Grade	10th. Grade	11th. Grade	12th. Grade
Health Science: Emergency Medical Technician (EMT)	Medical Terminology (1 Credit)	Health Science Theory (1 Credit) <i>Prerequisite:</i> <i>**Principles of Health Science, Medical Terminology, and Biology</i>	Anatomy and Physiology (at KCAL) (1 Credit) AND Pathophysiology (1 Credit) <i>Prerequisite:</i> <i>Health Science Theory and Biology</i>	Practicum in Health Science I EMT (2 Credits) <i>Prerequisite:</i> <i>Health Science Theory and Biology</i>

Program Highlights

- AHA BLS Credential
- Ambulance Simulator
- Eligible to take the National Registry of EMT exam upon successful completion

CTSO(s)

- HOSA - Future Health Professionals

Program Fees / Requirements

- HOSA membership (Optional)
- Uniform cost

Program Location

- Course(s) available at CHS
- Course(s) available at FRHS
- Course(s) available at KHS
- Course(s) available at TCHS
- Grey courses at KCAL (Only)
(*Except Anatomy & Physiology*)

Emergency medical technicians, or EMTs, work in an ambulance and respond to emergency situations. EMTs work with emergency medical technician-intermediates and paramedics in an ambulance. They also work alongside nurses and physicians to perform the services that a patient needs. They are also responsible for the transporting patients to the hospital.

KISD EMT Program:

The Keller Center for Advanced Learning Emergency Medical Technician class is a tremendous opportunity for students who wish to work in Emergency Medicine. The class is in partnership with Tarrant County College and allows students to learn emergency medicine techniques in multiple areas of trauma and disease related response. Students successfully completing the classroom portion of the EMT class are eligible to work in hospital Emergency Department (ED) and local ambulance services to obtain the required hours for sitting for the National Registry examination. The ED and ambulance hours may need to be completed during the summer in some cases.

Medical Terminology (TEDS: 13020300 / KISD: 81801)

This course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Health Science Theory (TEDS: 13020400 / KISD: 81803)

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will have hands on experiences for continued knowledge and skills development. The course may be taught by different methodologies such as clinical rotation and career preparation learning.

Anatomy and Physiology (TEDS: 13020600 / KISD: 3203)

This course offers a comprehensive study of the structures and functions of the human body. It will include dissections and the study of the organization of organs and organ systems. Students will utilize critical thinking skills and scientific problem solving as they conduct lab investigations. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). This course is taught at the all main campuses and at the Keller Center for Advanced Learning.

Pathophysiology (TEDS: 13020800 / KISD: 81822)

In this course students conduct laboratory investigations and fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Students study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of diseases. Students will differentiate between normal and abnormal physiology. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). Class is taught at the Keller Center for Advanced Learning.

Practicum in Health Science Emergency Medical Technician (TEDS: 13020500 / KISD: 81815)

The Practicum in Health Science is designed to give students practical applications of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Keller ISD offers 4 practicum opportunities throughout the district. An online district application will be emailed after registration is complete. Students will be asked to rate the Practicum class in order of preference. Due to class size limitations, it is possible a student will not get their first choice. In the E.M.T. program, students will be provided opportunities to work in hospital settings, ambulance services, and may be assigned to firehouses in order to experience first-hand the challenges of Emergency Medical Technicians. Students enrolled in this course will be provided the knowledge and skills training to prepare and successfully complete the exam required for E.M.T. Upon completion of the course and successfully passing the national exam, students will be eligible to continue to the next level of training at Tarrant County College. Students will be required to comply with HIPAA requirements. Class is taught at the Keller Center for Advanced Learning.